

TWO-DIMENSIONAL ANGLE OF ARRIVAL DETECTION DEVICE

ABSTRACT

5 A device for detecting the direction of a light source. The device has a pin-
hole lens that allows a collimated light beam to excite a light sensing surface behind
the lens. The output from the light sensing surface is passed to a processor that
determines the position of the surface that has been excited and the direction of the
light source. When the position of one or more light sources is known, the device may
further determine its own position. The devices may be used in a location system to
10 provide known reference points to a network of other devices. The light sources may
be modulated, in which the device can select or identify a particular light source based
upon its modulation pattern..

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